

TRANSMITTER PEN LOCATOR SYSTEM INCLUDING LOW STANDBY POWER ELECTRONIC CIRCUIT

ABSTRACT OF THE DISCLOSURE

A portable transmitter having no power consumption while inactive, and an nearly-simultaneous indicator of the cause of a transition when power is provided. A transmitter pen in a locator system, having more than one sensor, each separately triggerable, and indicating which sensor was triggered. An on-off circuit coupled to a 1.5 volt battery power source, to a power regulator and multiple sensors, so the regulator consumes no power while inactive. The on-off circuit consumes no power while inactive. When one of the sensors is triggered, the on-off circuit activates, while indicating which sensor was triggered. The circuit has an ON state, in which the regulator and operational circuits operate normally, an IDLE state, in which the circuit consumes little power in anticipation of being activated, and a SHUT-DOWN state, in which the circuit consumes little power in anticipation of a sensor being released.